



Laboratory Testing, Investigation, and Other Services of CMC: Fee Schedule

Tests	ASTM	Standard Unit Price	Rush Unit Price
Hardened Concrete			
Concrete - Air-void Analyses	C 457	\$500.00	\$1,000.00
Concrete - Alkali-Carbonate Reactivity - Petrography, Chemical, & XRD	C 856	\$1,500.00	\$3,000.00
Concrete - Alkali-Silica Reactivity - Detailed Petrography	C 856	\$1,250.00	\$2,500.00
Concrete - Alkali-Silica Reactivity - Mortar-Bar Method (Without Pozzolan)	C 1260	\$1,000.00	NA
Concrete - Alkali-Silica Reactivity - Mortar-Bar Method (with Pozzolan)	C 1567	\$1,000.00	NA
Concrete - Cement Content	C 1084	\$1,000.00	\$2,000.00
Concrete - Chloride Analyses - Acid-Soluble - Powder Sample	C 1152	\$150.00	\$300.00
Concrete - Chloride Analyses - Acid-Soluble - Per Section from a Core	C 1152	\$200.00	\$400.00
Concrete - Chloride Analyses - Water-Soluble - Powder Sample	C 1218	\$175.00	\$350.00
Concrete - Chloride Analyses - Water-Soluble - Per Section from a Hardened Sample	C 1218	\$250.00	\$500.00
Concrete - Density, Absorption, Voids	C 642	\$250.00	\$500.00
Concrete - Length Change	C 157	\$1,000.00	\$2,000.00
Concrete - Petrographic Examinations	C 856	\$1,250.00	\$2,500.00
Concrete - Petrographic Examinations - Composite Sample	C 856	\$1,750.00	\$3,500.00
Concrete - Petrographic Examinations + SEM	C 856 + C 1723	\$1,750.00	\$3,500.00
Concrete - Petrographic Examinations + SEM + XRD + XRF	C 856 + C 1723	\$2,000.00	\$4,000.00
Concrete - Chloride Permeability	C 1202	\$450.00	\$900.00
Concrete - Sulfate Analyses (XRF)	C 114	\$200.00	\$400.00
Concrete - Compressive Strength	C 39/42	\$150.00	\$300.00
Comprehensive Pyrrhotite Studies: Petrographic Examinations, Chemical Analyses, etc.	C 856	\$2,500.00	\$5,000.00
Ion Chromatography ASTM D 4327	D 4327	\$250.00	\$500.00
Masonry Units & Masonry Mortars			
Masonry - Mortar Analyses	C 1324	\$2,000.00	\$4,000.00
Masonry - Brick, Stone, CMU Petrographic Examinations + XRD	C 856	\$1,000.00	\$3,000.00
Masonry - Brick Masonry Units - Absorption & Saturation Coefficient (Set of 5 Half Bricks)	C 67	\$750.00	\$1,500.00
Masonry - Brick Masonry Units - Compressive Strength (Set of 5 dry Half Bricks)	C 67	\$750.00	\$1,500.00

Tests	ASTM	Standard Unit Price	Rush Unit Price
Masonry - Brick Masonry Units - Efflorescence Test (set of 10 Full Bricks)	C 67	\$500.00	\$1,000.00
Masonry - Brick Masonry Units - Initial Rate of Absorption (set of 5 Whole bricks)	C 67	\$500.00	\$1,000.00
Masonry - Efflorescence - XRD	C 856	\$300.00	\$600.00
Aggregates for Concrete			
Stone & Gravel - Alkali-Carbonate Reactivity - Rock Cylinder Method	C 586	\$750.00	\$1,500.00
Stone & Gravel - Alkali-Carbonate Reactivity - Petrography	C 295	\$1,500.00	\$3,000.00
Stone & Gravel - Petrographic Examinations - Crushed Stone	C 295	\$1,500.00	\$3,000.00
Stone & Gravel - Petrographic Examinations - Gravel	C 295	\$2,000.00	\$4,000.00
Stone & Gravel - Petrographic Examinations - Slag	C 295	\$2,500.00	\$5,000.00
Stone & Gravel - Petrographic Examinations - Sand	C 295	\$1,500.00	\$3,000.00
Prestressed Concrete Cylinder Pipes (PCCP), Sewer Pipe, Clay Pipe			
PCCP - Absorption, Specific Gravity, Volume of Permeable Voids	C 642	\$250.00	\$500.00
PCCP - Chloride Analysis - Acid-Soluble - Per Section/Depth	C 1152	\$200.00	\$400.00
PCCP - Petrographic Examinations	C 856	\$1,250.00	\$2,500.00
Portland Cement Plaster			
Stucco - Petrographic Examinations 2-coat system	C 856	\$1,250.00	\$2,500.00
Stucco - Petrographic Examinations 3-coat system	C 856	\$1,500.00	\$3,000.00
Dimension Stones			
Dimension Stone - Absorption (set of 3 stones)	C 97	\$330.00	\$660.00
Dimension Stone - Petrographic Examinations - Optical + XRD	C 1721	\$1,000.00	\$2,000.00
Dimension Stone - Petrographic Examinations - Optical + XRD + SEM	C 1721	\$1,500.00	\$3,000.00
Dimension Stone - Strength, Flexural (set of 20 sampels, pre-cut to ASTM C 880 spec)	C 880	\$3,000.00	\$6,000.00
Terra Cotta & Architectural Cast Stones			
Terra Cotta & Architectural Cast Stones - Petrographic Examinations	C 856	\$1,000.00	\$2,000.00
Terra Cotta & Architectural Cast Stones - Petrographic Examinations + XRD	C 856	\$1,250.00	\$2,500.00
Terra Cotta & Architectural Cast Stones - Petrographic Examinations + XRD + SEM-EDS	C 856	\$1,500.00	\$3,000.00
Ceramic Tile & Other Floor Covering Failures			
Ceramic Tile & Floor Covering Failures - Investigation of De-bonding, Blistering, Discoloration, Cracking, etc. of Floor Covering - Petrography	C 856	\$1,250.00	\$2,500.00
Ceramic Tile & Floor Covering Failures - Investigation of De-bonding, Blistering, Discoloration, Cracking, etc. of Floor Covering - Petrography + SEM-EDS	C 856	\$1,500.00	\$3,000.00
Pozzolanic and Cementitious Materials			
Pozzolanic and Cementitious Materials - Chemical Analyses of Hydraulic Cement - Oxides of Si, Al, Ca, Mg, Na, K, Fe, Ti, P, and S by ED-XRF	C 114	\$500.00	\$1,000.00
Pozzolanic and Cementitious Materials - X-ray Diffraction (Qualitative)	C 1365	\$500.00	\$1,000.00
Pozzolanic and Cementitious Materials - X-ray Diffraction (Quantitative)	C 1365	\$750.00	\$1,500.00

Tests	ASTM	Standard Unit Price	Rush Unit Price
Gypsum & Lime Products			
Gypsum & Lime Products - Chemical Analyses - Oxides of Si, Al, Ca, Mg, Na, K, Fe, Ti, P, and S by ED=XRF	C 114	\$500.00	\$1,000.00
Gypsum & Lime Products - Petrographic Examinations + XRD	C 856	\$1,250.00	\$2,500.00
Gypsum & Lime Products - Petrographic Examinations + XRD + SEM-EDS	C 856	\$1,500.00	\$3,000.00
Fill Materials			
Fill Materials - Petrographic Examinations + XRD + XRF	-	\$1,500.00	\$3,000.00
Rocks, Sediments, Soils, Meteorites, etc.			
Rocks, Sediments, Soils, Meteorites, etc. - Chemical Analyses - Oxides of Si, Al, Ca, Mg, Na, K, Fe, Ti, P, and S by ED-XRF	-	\$500.00	\$1,000.00
Rocks, Sediments, Soils, Meteorites, etc. - Petrographic Examinations (Optical Microscopy) - Rocks, Sediments	-	\$750.00	\$1,500.00
Rocks, Sediments, Soils, Meteorites, etc. - Petrographic Examinations (Optical Microscopy) - Soils	-	\$1,250.00	\$1,500.00
Rocks, Sediments, Soils, Meteorites, etc. - XRD (Semi-Quantitative)	-	\$400.00	\$800.00
Rocks, Sediments, Soils, Meteorites, etc. - SEM-EDS	-	\$500.00	\$1,000.00
Report of Laboratory Examination & Report Consultation			
Report of Laboratory Examinatons by Electronic Mail as an Adobe PDF file	-	\$0.00	\$0.00
Report of Laboratory Examinations by Electronic Mail in PDF + one (1) Hard Copy with Color Photographs and Micrographs	-	\$250.00	\$250.00
Report of Laboratory Examinations - Modifications	-	\$250.00	\$250.00
Consultation After Report Submission (per hour)	-	\$200.00	\$200.00
Supplemental Report	-	\$500.00	\$1,000.00
Litigation			
Litigation - Principal - Deposition & Trial (per hour)	-	\$500.00	\$500.00
Litigation - Principal - Out-of-Office Travel Time for In-PA Litigation (per hour)	-	\$250.00	\$250.00
Litigation - Principal - Air Travel for Out-of-State Litigation (minium, per day)	-	\$750.00	\$750.00
Litigation - Document Review for Expert Testimony (per hour)	-	\$200.00	\$200.00
Litigation - Document Review and Responses for a Project other than a Laboratory Report (per hour)	-	\$250.00	\$250.00
Litigation - Secretarial (per hour)	-	\$150.00	\$150.00
Litigation - Auto Mileage (per mile)	-	\$1.00	\$1.00
Postage			
Postage - Sample Return	-	\$40.00	\$40.00

Prices subject to change without notice. Standard turnaround for most tests is 3 to 4 weeks, Rush turnaround is 5-days. Standard Turnaround for ASTM C 295 is 4 to 6 weeks.

Information Needed to Initiate a CMC Project

1. Contact person(s) knowledgeable on the project - Name, Phone, Fax, Email address, Mailing address, and, Company information for direct and other clients.
2. Bill-to information for invoice and payment.
3. Ship-to information for sending the Final Report (if hard copy is requested) samples after testing.
4. Full Name and Address of the Project (e.g., Street, City, State).
5. Your Project Number (if available).
6. Testing Requested (e.g., Petrography, Air Content, Chloride Content/Permeability, etc.).
7. Reason(s) for the Requested Testing (e.g., If there is a problem; Nature and extent of the problem, etc.).
8. Detailed background information, e.g., (i) Nature of the Problem, if any, (ii) When the problem was first noticed, etc., (iii) Time of installation (e.g., month, year, season, age), (iv) Location/environment (e.g. indoor vs. outdoor, wall vs. floor, if it is exposed to a freezing and thawing environment or a chemically aggressive environment), (v) Mix design, MSDS data sheets, Specification, etc., (vi) Previous testing results, if any (e.g., strength results, air, slump, temperature, weather condition during placement, etc.), (vi) Any other relevant information not mentioned here.
9. Field photographs showing - (i) condition of the structure in question, the nature of the problem, if any, and, (ii) sample locations with the extracted samples (either on a CD, or a flash drive, or by email).
10. What would you like to do with the sample(s) after testing is completed (i.e. Toss or Return).
11. Label your sample(s) properly (e.g., Sample ID, which side is top/exposed, good vs. bad samples, etc.).
12. Turn around (3 to 4 weeks Standard, or, 5-day Expedite Report).
13. All New Clients are Requested to Pay in Full Prior to the Release of the Report. All Existing Clients have a 30-day Pay Period.
14. Testing will not begin until receipt of the signed and approved Cost Proposal (which will be provided via email when our Lab receives the sample(s)).